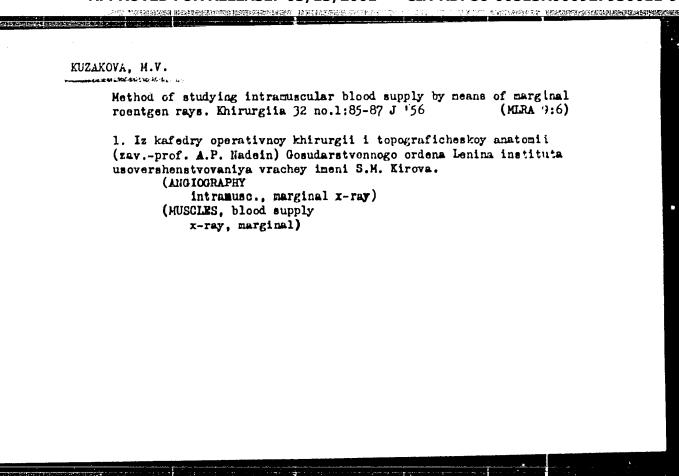
KUZAKOVA, M.V., kandidat meditsinskikh nauk; SAZOHOV, A.M.

Anatomical basis for cutting out calf muscle flaps for grafts in chronic osteomyelitis. Vest. khir. 76 no.11:55-60 '55 (MJRA 9:4)

1. In kafedry operativnoy khirurgii (gav.-professor A.P. Nadnin)
Leningradskogo instituta usovershenstvovaniya vrachey imeni S.M.

Kirova.

(OSTEOMYMLIFIS, surg.
muscle flap transpl. to bone lesions)
(MUSCIES, transpl.
in osteomyelitis, flap transpl. to bone lesions)
(TRANSPLAMTATIONS
musc. flaps, to bone lesions in osteomyelitis)



KUZAKOVA, M.V., kand.med.nauk

Influence of acute ischemia on the shin muscles in the application of a hip tourniquet. Sbor. nauch. trud. GIDUV no. 14:103-107 '58. (MIRA 13:10)

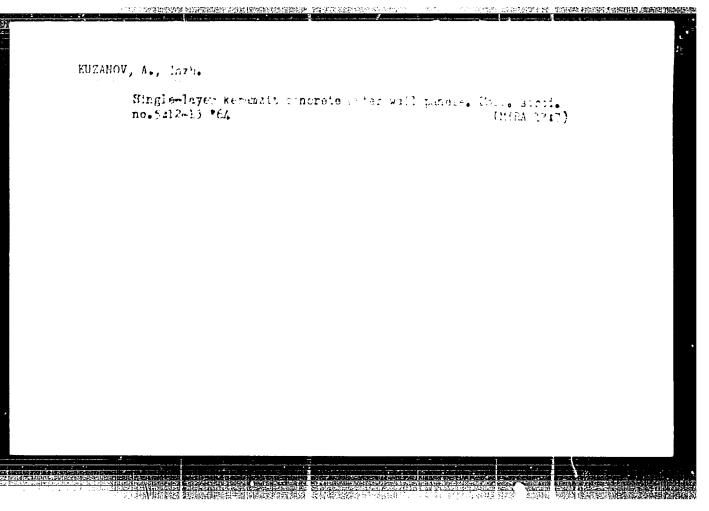
1. Iz kafedry operativnoy khirurgii gosudarstvennogo instituta dlya usovershenstvovaniya vrachey (zav. kafedroy prof. A.P. Nadein).

(BLOOD—CIRCULATION, DISORDERS OF) (MUSCLE)

DABROWSKI, Witold; KUZAN, Czeslaw

Surgical treatment of biliary calculi. Wiad. lek. 18 no.20: 1585-1590 15 0 165.

1. Z Oddz. Chir. Miejskiego Szpitala w Tomaszowie-Mazowiechim (Ordynator: dr. W. Dabrowski).



KUZAMOV, A.B. (g.Kuybyshav); KHARITOMOV, A.I. (g.Kuybyshav)

Constructing bridge supports on high pile grillage foundations.

Osn., fund.i mekh.grun. no.5:18-20 '59. (MIRA 12:12)

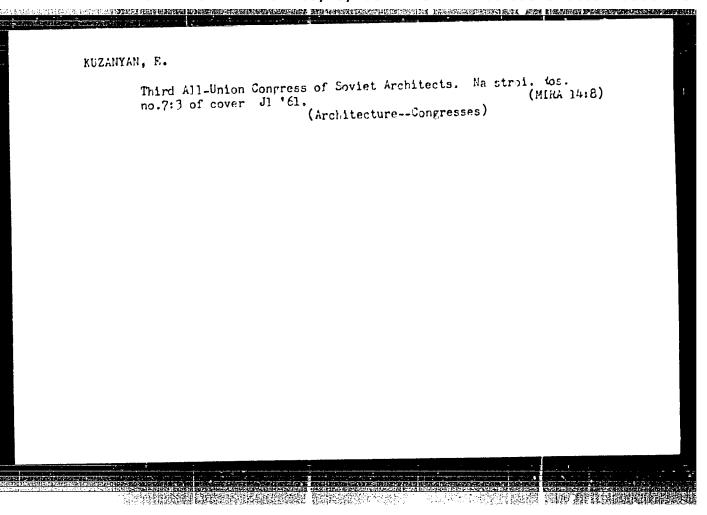
(Bridges, Pile)

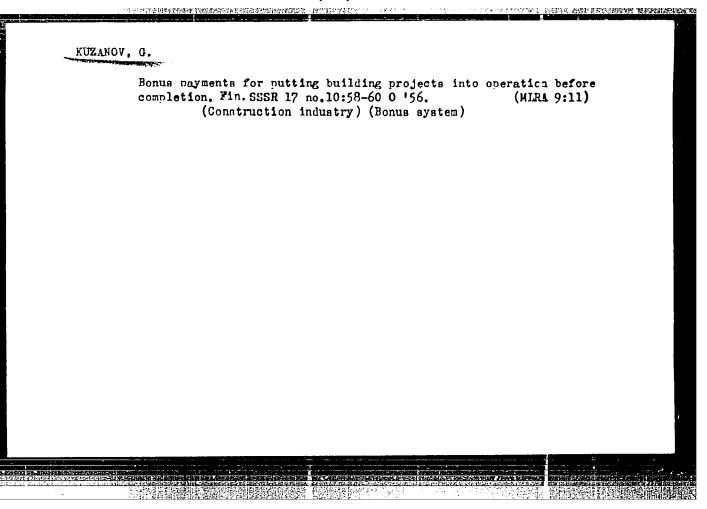
KUZANOV, Ye.I.; KANDELAKI, D.P., rod. izd-va; KHUTSISHVILI, V.V., tekhn. red.

[Closed lesions of the liver and spleen]Zakrytye povrezhdenia pecheni i selezenki. Tbilisi, Cos.izd-vo "Sabchota Sakartvelo," 1962. 174 p. (MIRA 15:9)

(LIVER-HOUNDS AND INJURIES)

(SPLEEN-WOUNDS AND INJURIES)





RUZANOV, B. G.

"New Methods for the Electric Calculation of Agricultural High-Voltage Networks with Steel Lines."

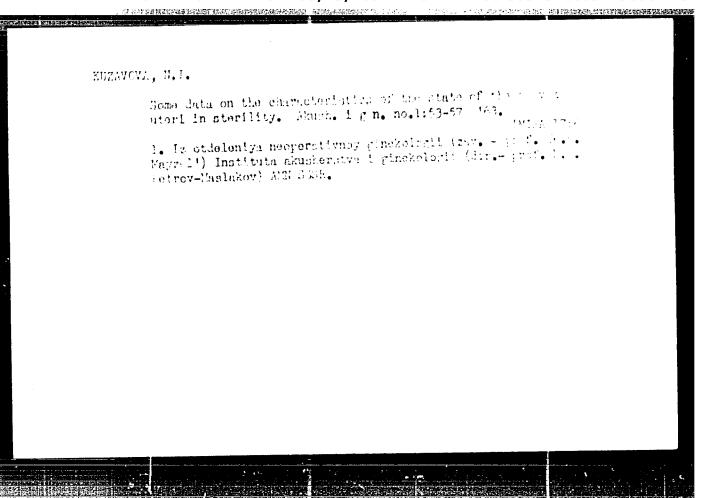
Dissertation for the Degree of Candidate of Technical Sciences, defended at Moscow Institute for Mechanization and Electrification of Agriculture. 21 December 1951. (Elektrichestvo, 1950, Nr 4, pp. 92-93).

TO ALLE A THURSDAY STREET STREET AND ARREST

KARAPETYAN, Saak Karapetovich, akad.; KUZANYAN, M., red.; CHANCHAPANYIN, E., tekhn. red.

[Biological principles underlying the increase of productivity and ways for the intensification of poultry raising in the Armenian S.S.R.] Biologicheskie osnovy povyshenia produktivnosti i puti intensifikatsii ptitsevodstva v Armianskoi SSR, Erdvan, Armsel'khozgiz, 1962. 405 p. (MIRA 16:4)

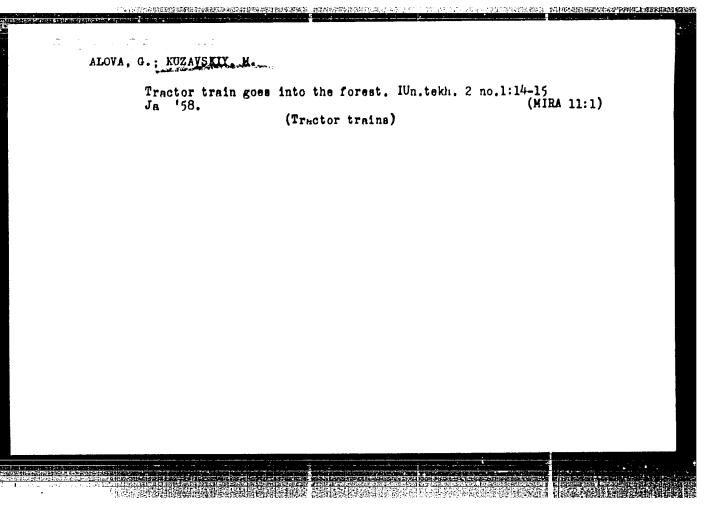
1. Akademiya nauk Armyanskoy SSR (for Karapetyan). (Armenia--Poultry)

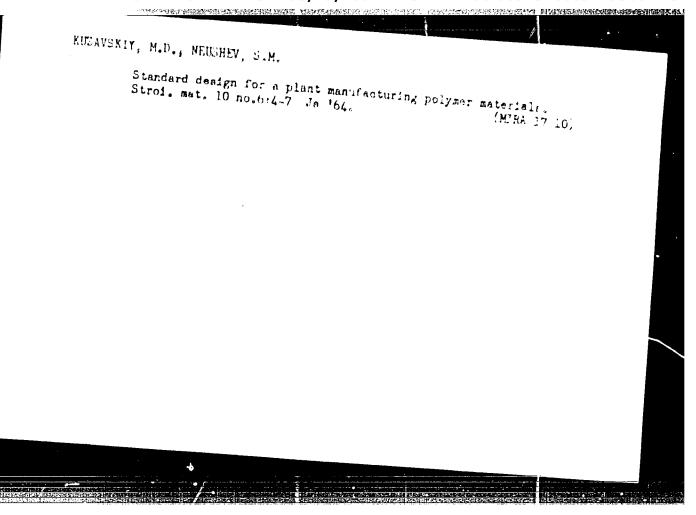


HUZAVOVA, N.1.

Intravasation during hysterosalpingography. Vest. rent. i rad.
39 no.1:51-54 Ja-F 'C.. (MIRA IS:?)

1. Otdeleniye neoperativnoy ginekologii (zav. - prof. Ye.P.
Mayzel') Instituta akusherstva i ginekologii AMN SSUR, leningrad.





KUZBA. Antoni

Substantial changes in the activity of trade unions. Praca zabezp spol 4 no.2:59-64 '62.

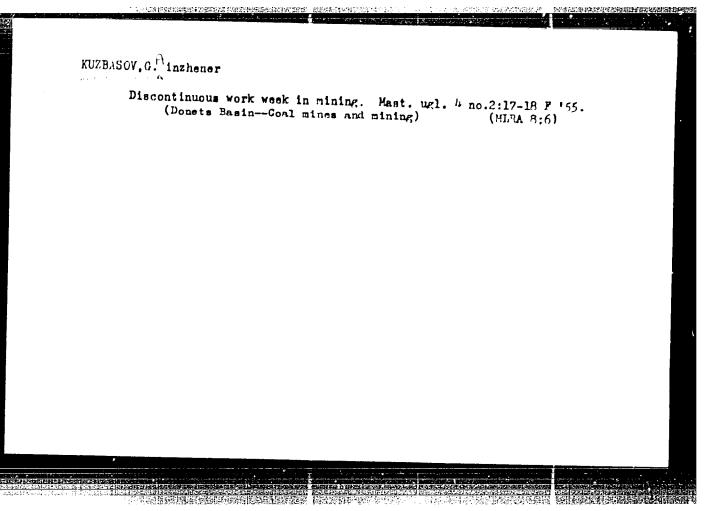
APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000927930011-9"

KUZBASOV, G. A. Gorn e bogatstva Sibirskogo Kraia. Koskva, Posizdat, 1929. 111 p. (Biblioteka sotsial'no- ekonomicheskikh znanii.)

"Spisok glavneishikh literaturnyah istochnikov": p. 1097.

BLG: Thiog.K87

So: LC, Soviet Geography, Part II, 1951/Unclassified.



TEKUCHEV, N.F., gornyy inzh.; KUZRASŚOV, G.A., gornyy inzh.

Twin entry system mining at the "Proletarskaia-Glubokaia" mine.
Ugol' Ukr. 3 no.8:41-43 Ag '59. (MIRA 1::12)

1.Donetskiy ugol'nyy institut.
(Donets Rasin--Coal mines and mining)

EVELOPMOV, K. Development of animal husbandry in the Tashkent suburban zone during the period of rapid davelopment of agriculture. Nauch. trudy TashGU no.206:33-53 '62. (HIRA 16:6) (Tashkent region—Stock and stockbreeding)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000927930011-9"

Consideration of the second se

L 01179-66 ACCESSION NR: AP5025872 AUTHOR: Kuzdrzal-Kicki, Jerzy (Engineer) PO/0022/65/000/005/0146/0150 TITLE: Electronic measurement apparatus at the 34th International Fair in Poznan SOURCE: Przeglad telekomunikacyjny, no. 5, 1965, 146-150 TOPIC TAGS: electronic measurement, electronic test equipment, voltmeter, electronic AESTRACT: The article describes several items of interest which were exhibited at the 34-th Annual International Poznan Fair. Special attention is devoted here to electronic measurement apparatus such as a frequency deviation meter, a digital voltmeter, 2 regulated RC- type oscillators, a decade oscillator, a ferrite-type modulator, an attenuator standard, a microwave ring resonator power amplifier, a heterodyne microvoltmeter, a narrow-band and a wide-band microvoltmeter, an audio oscillator, an oscillosynchroscope and a wide-band synchroscope with various attachments. The latter set was designed and built by the Bureau of Nuclear Engineering Apparatus (Biuro Urzadzen' Techniki Jadro-Card 1/2

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927930011-9

L 01179-66
ACCESSION MR: AP5025872

wej). The last item on the list here is an oscillator with two time-base sweep generators for producing time lage over a wide range. Orig. art. has: 11 figures and 3 tables.

ASSOCIATION: Instytut Tele- 1 Radiotechniczny (Institute of Telecommunication and Radioengineering)

SUBMITTED: 00

ENCL: 00

SUB CODE: EC

NR REF SOV: 000

OTHER: 000

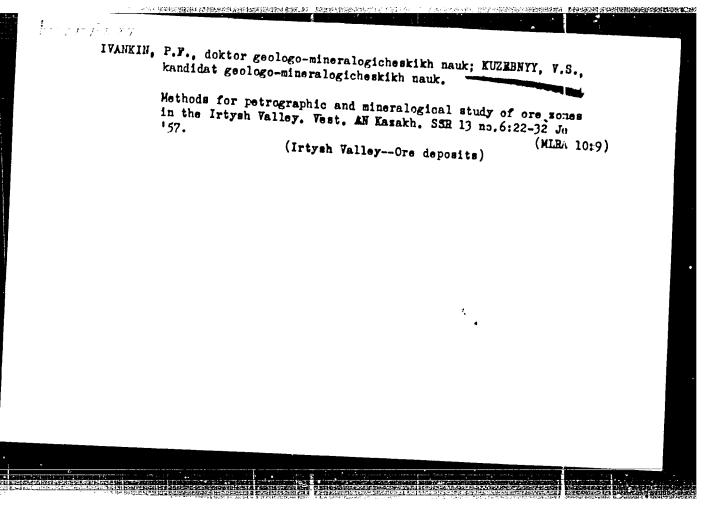
JPRS

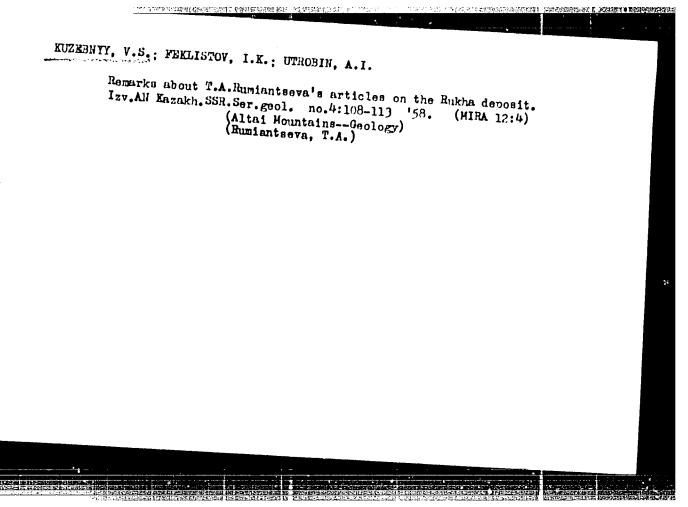
KULAKOV, B.H., KUZE, S.K.

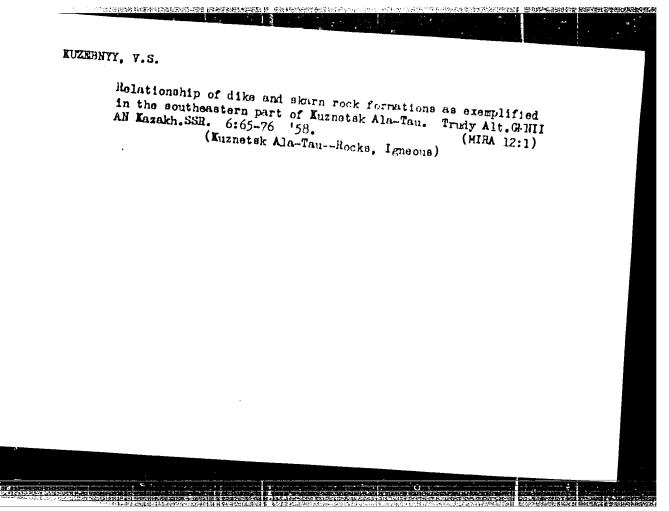
THE THE PROPERTY OF THE PROPER

[Tuberculosis; bibliographical index of the Soviet literature for the period 1957-1960] Tuberkuloze; padomju literaturas bibliografisks saraksts par 1957 - 1960 gadiem. Tuberkulez; bibliograficheskii ukazatel' otechestvennoi literatury za 1957-1960 gody. Riga, 1962. 368 p. (MIRA 17:5)

1. Rigu. depublikaniska zinatniska medicinas biblioteka.





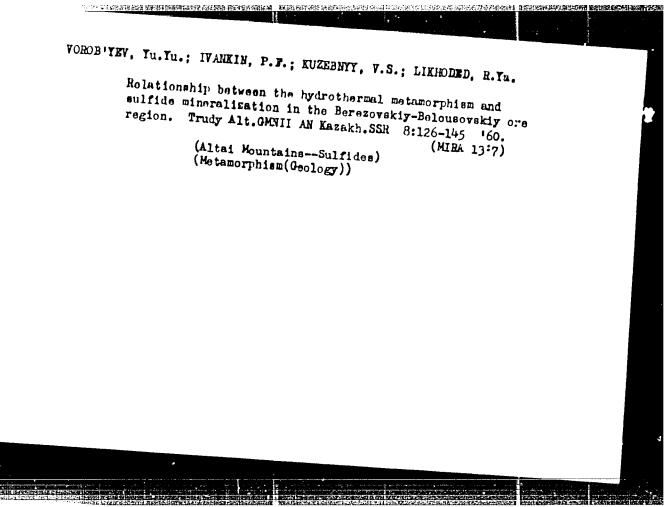


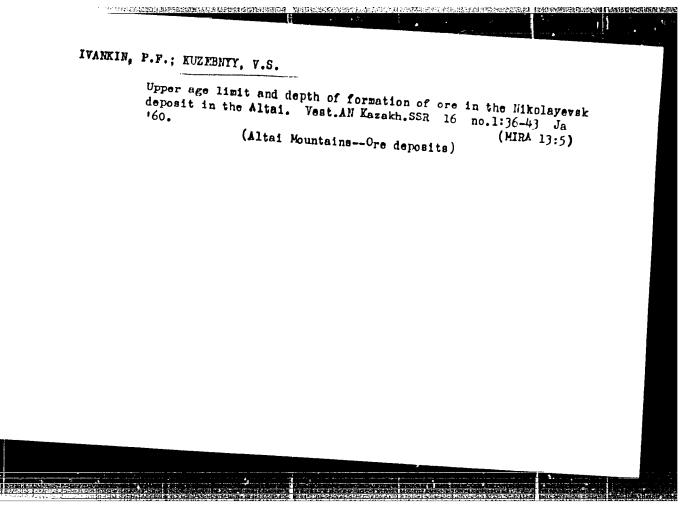
IVANKIN, P.F.; KUZEBNYY, V.S.; IMSHIN, P.V.

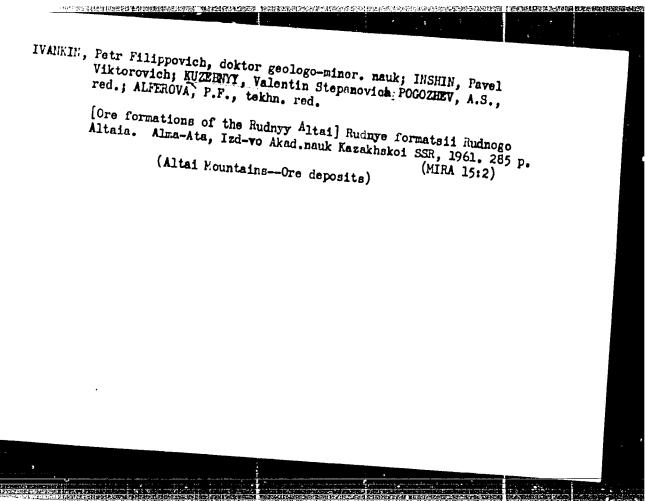
Contact changes as indications in ore prospecting as exemplified by the exploratory work in the Irtysh Valley portion of the Altai ore region. Trudy Alt.OMNII AN knzakh.SSR 8:

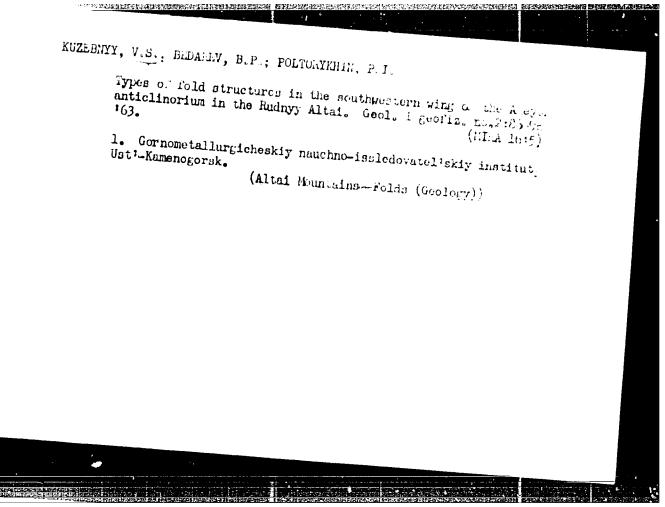
(Irtysh Valley--Ore deposits)

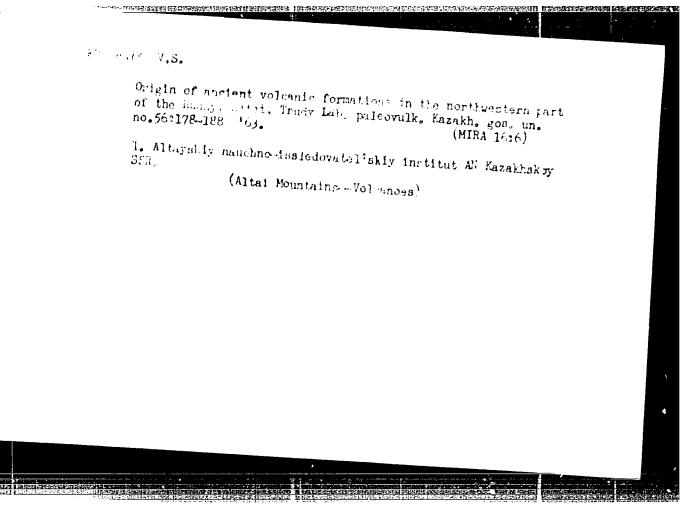
(Prospecting)



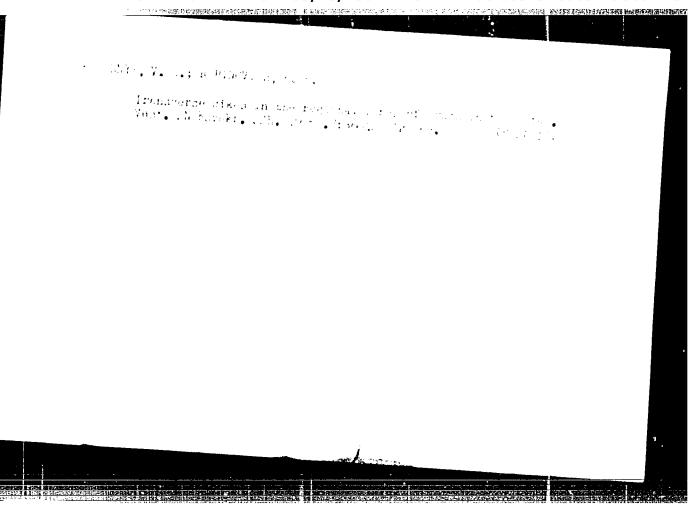


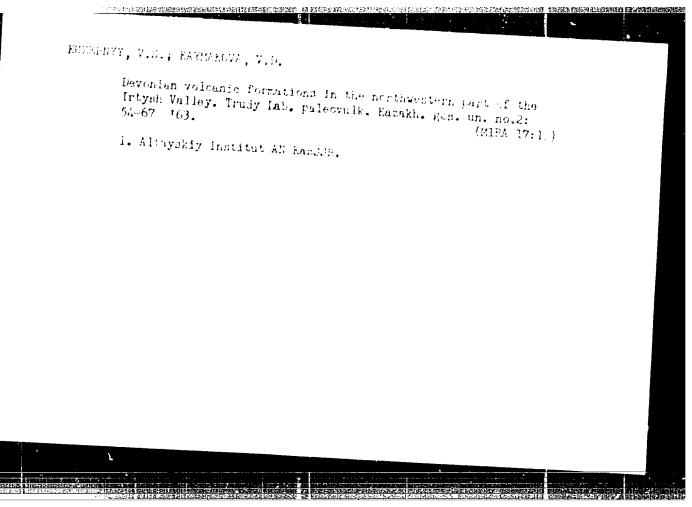


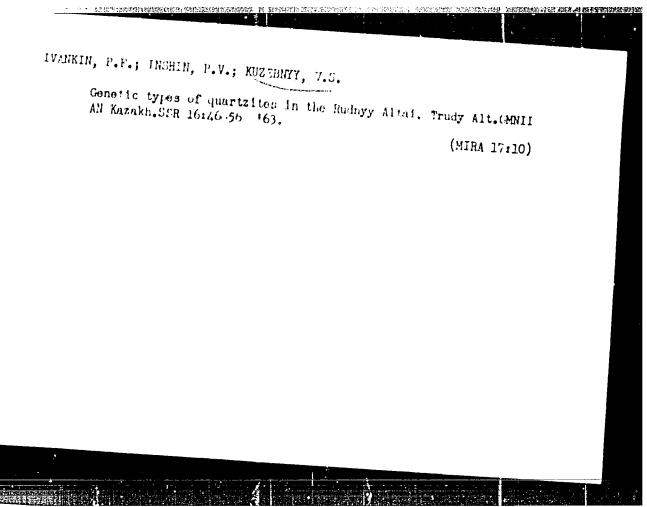


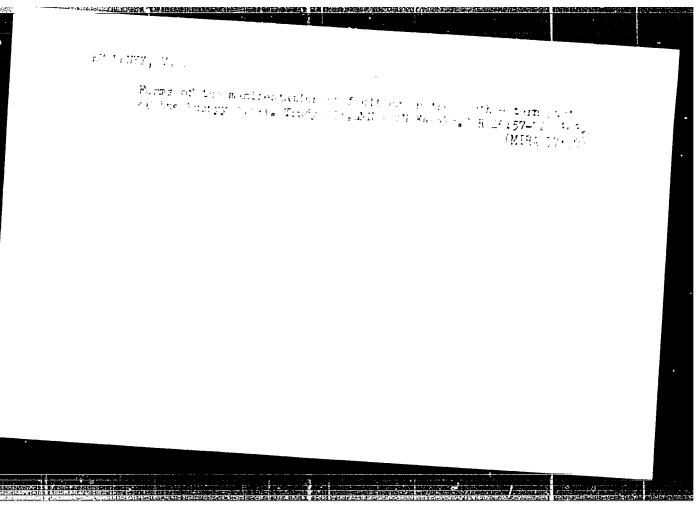


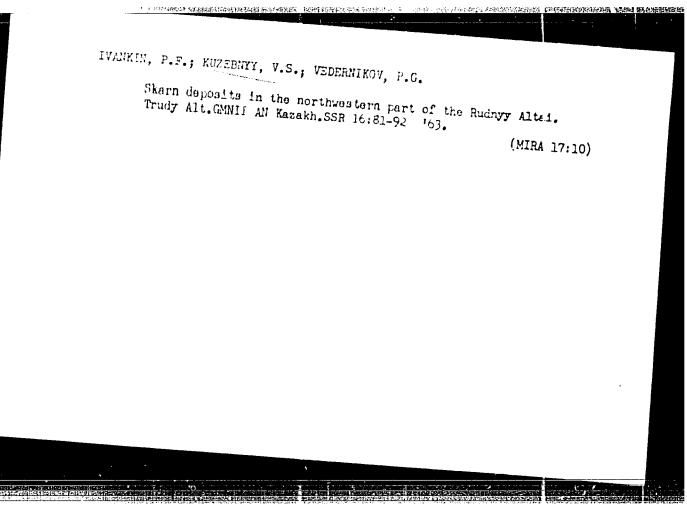
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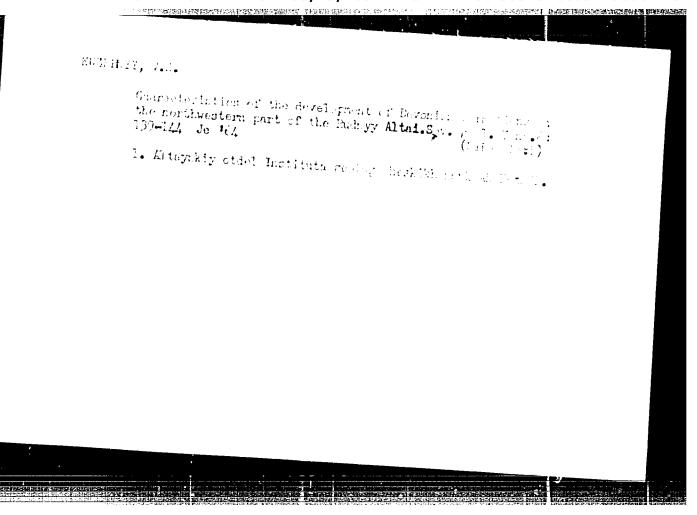












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KOTASEK, Alfred, Doc. Dr.; KUZEL, Dobromil, Dr.; FILIP, Jan, Dr., FAPEZOVA, Rusena

Pibrinogen changes in labor and pregnancy. Cesk. gyn. 22[37] no.1/2:

1. I. nor. klinika KU v Praze, prednosta prof. Dr Karel Klaum. I. int. klinika KU v Praze, prednosta prof. Dr Milos Netousek. A. K., Praha 2.

(FIBRINOGEN,

in labor & pregn. (Cz))

(IABOR, blood in

fibrogen level (Cz))

(PRECHANCI, blood in

same)
```

Two cases of vaginal myoma. Ceak. gyn. 22[37] no.1/2:74-76 Jan 58.

1. I. /gyn. klinika KU v Praze. prednosta prof. Dr Karel Klaus. D. K.,

(VAGINA, neoplasms
leiomyoma (Cz))
(LEIOMYMA, case reports
vaginal (Cz))

KUZEL,

CZECHOSLOVAKIA / General Problems of Pathology. Tumors. Human Heoplasm. U-4

libs Jour : Ref Zhur - Biol., No 20, 1958, No 94067

Author : Kuzel, Dobromil: Trnka, Vaclav Inst : Not Given

Title : Two Cases of Myoma of the Vagina.

: Ceskosl. Cynackol., 1958, 23-37, No. 1-2, 74-79 Orig Pub

Abstract : Two cases of myorm of the vagina are described in women 35 and 40 years old. In the first patient the tunor was localized in the lateral wall of the vagina, and in the second patient in the left formix of the vagina. Histology in both

patients disclosed leiomyorn. -- From the authors' abstract.

Card 1/1

23

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000927930011-9"

与相**经过程的现在分词** 医结节性

WE ASSESS TO SEE ASSESSED TO DESCRIPTION OF THE PROPERTY OF TH

KOTASEK, Alfred; KUZEL, Dobromil

On the significance of fibrinolysis in labor hemorrhage. Cenk. gyn. 24[38] no.8:599-601 0 '59

1. I. por. kl.KU, Praha, prednosta prof. dr. Karel Klaus. (HEMORRHAGE POSTPARTUM blood)
(FIBRINOLYSIS)

KUZEL,D.; KOBILKOVA,J.; NEUGEBAUEROVA, L.; CERVENKA, J.; CECH,E.

TO THE PROPERTY OF THE PROPERT

Reflect of prolonged pregnancy on development of the fetus. Cesk. gynek. 29 no.4:281-283 My 164

1. Gym.-por. klin. fakulty vseobecneho lek. KU [Karlovy university] v Praze (prednosta: prof. dr. K.Klaus, DrSc.) a II. det. klin. fakulty det. lek. KU [Karlovy university] v Praze (prednosta: prof. dr. J.Houstek, DrSc.).

CERVENKA, J.; KOTASEK, A.; KOBILKOVA, J.; KUZEL, D.; STRIBENY, J.

Cytology and urocutology in pregnant subjects with late gestoses. Cesk. gynek. 29 no.4:284-289 My'64

1. I. gyn.-por. klin. fak. vseob. lek. KU [Karlovy university] v Praze; vedouci: prof. dr. K.Klaus, DrSc.

KOBILKOVA, J.; CERVENKA, J.; CECH, E.; KUZEL, D.; SKRIVAN, J. Materat. spoluprace : DRDKOVA,S.

Biological preparation for labor in women with untimely and premature amniotic fluid flow. Cesk. gynek. 29 no.4:273-276 My'64

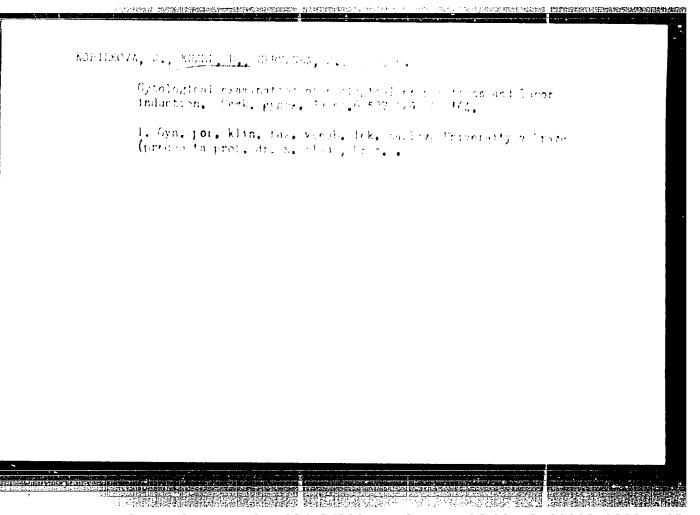
1. I. gyn.-por. klin. fakulty vseobecneho lek. KU [Karlovy university] v Praze; prednosta: prof. dr. X.Klaus, DrSc.

ROTACEK, A.; STASTAY, J.; KUSEL, D.; BRESTAK, M.; SUK, E.; STESSYA, C.

The estrogen level in the prognosin of the fetus in women with late toxerdas. Cask. gynek. 29 no.m:478.422 // 164.

1. Gyn.-por. klin. fak. vseob. lek. Earlevy University v Fraze (prednosta prof. dr. K. klaus, Irde.).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000927930011-9"



DOMNER, L.; 170 KU, F.; KUZEL, D.

Contribution to hypofilrinogenesis homorrhage furing leber and abortion. Vnitral lek. 11 no.2:162-174 F 165

1. II. vnitrní klinika pr. f. Tr. Herleset II. poznání ko-gynekolopicka klinika prof. Dr. lukuse a I. pozednícke-gynekolopicka klinika prof. Dr. Klause.

ZOBILKOTA, J.; KUZEL, D.; GECH, R.; CERVE KA, J.

Difficulties with horneral sytodiagnosis. Cosk. 171.6k. 44 no.3:

1. I. gym.-por. klimika fakulty vseobecneho lekarstvi Kaplovy University v Praze (prednesta: prof. dr. K. Klaus, DrSc.).

CERVETKA, J.; KOTASEK, A.; KUZEL, D.

Our experiences with the Kittrich method f r proof of ammiotic fluid flow. Cesk. gynek. 44 no.3:206-209 Apt65.

1. I. gyn.-por. klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednesta: prof. dr. K. Klaus, DrSc.).

Heratology

CZECHOSLOVAKIA

UDC 618.36:612.115.3(:577.156.6)

HERMANSKA, Z.; KUZEL, D.; VANECKOVA, H.; Contral Mematological Laboratory, Faculty Hospital (Ustredni Hematologicka Laborator Fakultni Nemocnice), Prague, Mead (Vodouci) Dr M. SUCHAN; 1st Gynecological Clinic, Faculty of General Medicine, Charles University (I. Gynekologicko-Perodnicka Klinika Fakulty Vscobecneho Lekarstvi KU), Prague, Head (Prednosta) Prof Dr K. KLAUS.

"Basic Notions of the Fibrinolytic System in Placental Blood Circulation."

Prague, Casopis Lekaru Coskych, Vol 105, No 39, 23 Sep 56, pp 1044 - 1046

Abstract /Authors' English summary modified 7: Acceleration of Tibrinolysis in some pathological conditions in adults is compared to Tibrinolysis in blood vessels in the placenta. The occurrence in the placenta is, however, physiological not pathological. Causes of these physiological changes are discussed. 5 Figures, 1 Table, 13 Western, h Czech references.

(1791).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000927930011

Chemickych Laboratori Statniho Balneologickeho Ustavo v Marianskych Leznich. Nase urcovani kyslicniku uhliciteho v mineralnich vodach Determination of carbon dioxide in mineral waters Casopis Lekaru Ceskych 1948, 87/27-28 (806-807) Graphs 1 The mineral water is neutralized with NaOH or Ba(CH)2 in excess and the NaCH surplus is titrated back with an acid employing phenolphthalein as an indicator. Zadina - Prague

SO: Excerpta Medica, Vol. 11, No. 4, Sect. 11 - April 1949

KUZTL, K.

Determination of oxalic acid in blood and in urine. Lek. listy
Brno 7 no.8:203-206 15 Apr 1952, (CIML 22:2)

1. Of the Central Laboratory (Head--Karel Kuzel, M. D.) of the
Institute of Balneology, Marianske Lazne.

CZECHOSLOVAKIA/Human and Animal Physiology - Excretion.

V-6

Abs Jour

District Entry

: Ref Zhur - Biol., No 2, 1958, 8738

Author

Inst

: Karel Kuzel

Title

: The Stability of the Composition of the Urine in Connection

with Urinary Calculi

Orig Pub

: Fysiatr. vest., 1957, 35, No 2, 106-108

Abstract

: Described are the substances and factors stabilizing the composition of the urine in patients with urinary calculi, as well as an artificial means of increasing the stability of the urine by the injection of foreign colloid subs-

Card 1/1

CIA-RDP86-00513R000927930011-9" **APPROVED FOR RELEASE: 03/13/2001**

KUZEI, Earel; PAVLICKOVA, Irena; SESSECTA, Edenek

Toretion of colloidal nitrogen and of electrolytes in standard diet; urine stability in prolithiasis. II. Cas. lek. cesk. 96 no.29: 923-926 12 July 57.

1. Vyskumny ustav balneologicky, nracoviste v Marianskych Laznich, reditel prof. MUDr Karel Prerovsty.
(URINARY TRACT, calculi

ther., diet, eff. on colloidal nitrogen & electrolyte excretion (Cz))

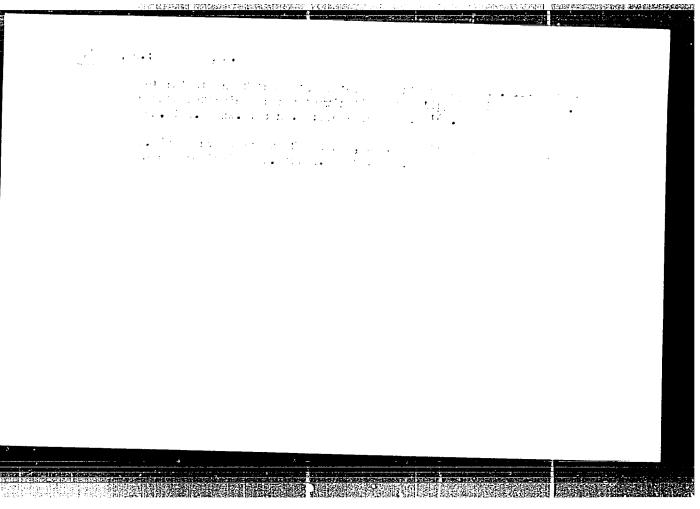
(MITROOM, in var. dis.

urinary calculi, eff. of diet on excretion (3z))

(DIETS, in var. dis.

urinary calculi, eff. on colloidal nitregen & electrolyte excretion (Gz))

(BODY FIUID BAIANCE, in var. dis.
urinary calculi, eff. of diets on electrolyte excretion
(CE)



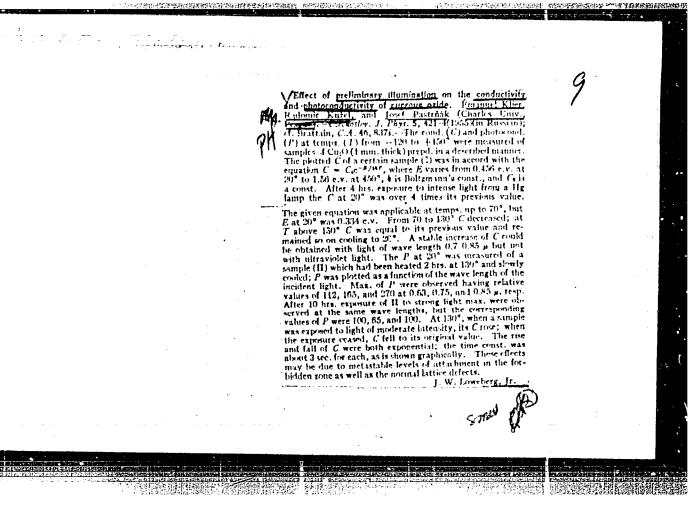
ELEMINATE PARALLY M.

Leternination of the total content of water in the body. I.
Use of naphthoresorcinol for the determination of A-aminoantimpyrine and M-acetyl-A-aminoantipyrine in the serum and urine.
Cas. lek. cesk. 103 no.41:1139-1139 y no 142.

1. Vyzkumny ustav pro fyziatrii, baineologii a klimatologii,
Marlanske Lazne (reditel prof. dr. E. Prerovsky).

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927930011-9



KUZEL, RADOMIR

CZECHOSLOVAKIA/Electricity - Semiconductors

G-3

Abs Jour

: Referat Zhur - Fizika, No 5, 1957, 12224

Author

Pastrnak, Josef., Kuzel, Radomir

Inst

: Physics Institute of Karlovy University, Prague, Czechoslo-

vakia.

Title

: Effect of Illumination on the Conductivity and Photoconduc-

tivity of Cuprous Oxide.

Orig Pub

: Askosl. casop. fys. 1956, 6, No 2, 170-187

Abstract

: Description of the technology for obtaining specimens of Cu₂O for the performance of experiments. The electric conductivity is measured by the probe method. It is shown, that at high temperatures (70 -- 900) there is no observed exponential law of variation of conductivity with temperature. If the specimen was illuminated, its conductivity began to increase to saturation, which took place at room

Card 1/2

CZECHOSLOVAKIA/Electricity - Semiconductors

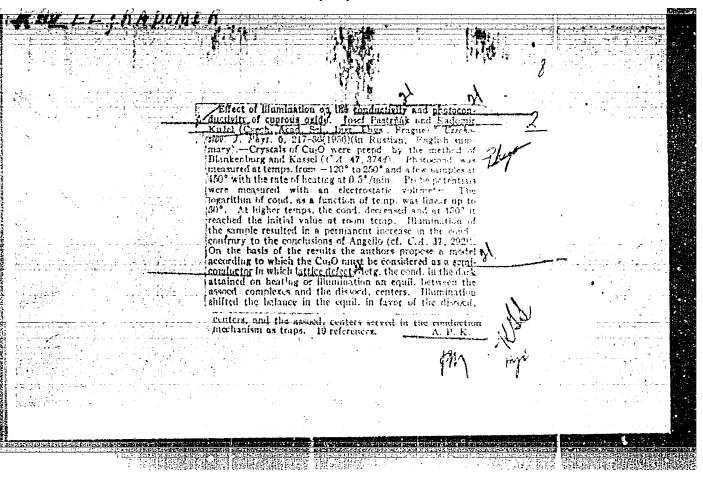
G-3

Abs Jour

: Ref Zhur - Fizika, No 5, 1957, 12224

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000927930011

temperature within four hours. When a specimen is heated to temperatures in the range 130 -- 200°, the electric conductivity diminishes. Upon illumination, the electric conductivity again increases. Simultaneously, an investigation was made of the photoconductivity on these "heated" and "illuminated" specimens.



KUZEL

CZECHOSIWWKJA/Electronics - Semiconductor Devices and Photocells H-6

Mos Jour : Ref Ehur - Finilm, No 4, 1959, No 0754

: Kuzel Radomir uthor

: Mathematics-Physics Faculty, Marlovy University, Frague. Inst

Chechoslovakin

: Effect of Freliminar, Illusination on the Characteristics Title

of Copper-Oxice Rectifiers

Orig Pub : Seskosl. ensop. fgs., 1997, 7, No 6, 703-719

Abstract : The author investigated the effect of grellminar; illumin-

ation and heating to approximately 1500 0 on the volt-ampere characteristics, capacitance of the barrier layer, and the concentration of the acceptors in the barrier layer of copper-oxide rectifiers. The distribution of the concentration of the acceptors and determined with one chotthy method from the slope of Mar lines representing Mar variation

of the capacitumes with the voltage (de). Prior :llumination increased the current both in the formula and in the

backward directions, one the rectification application was

Card : 1/2

CIA-RDP86-00513R000927930011 APPROVED FOR RELEASE: 03/13/2001

CURNICHOMAN / Startronics - Decision Auditor Devices on Microcello H.S. The Jour : Ref Thur - Fizikn, No 4, 1959, No 8754

> increased thereby. The leating enerted an emposite action, i.e., the expacitnee of the barrier later and the concentrution of the secontern decremed in it, and increased after prior illumination. All the experimental results the well emplained on the besis of the suggested econsistion and dissociation of the centers, promose, by fastrmiak and the author preciously (Referat thur Finite, 1997, No 5, 12224; No 7, 17595) and thus give a new confirmation of the premines developed in the Pore point paper. -- H.V. V sil' sheriko

: 2/2 Corl

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927930011-9

Kuzel, R

CZECHOSLOVAKIA/Bloctricity - Somiconductors

G-3

Abs Johr: Rof Zhur - Fizika, No 10, 1958, No 23216

Author

: Kuzol Radomir

Inst Title Physics Institute, Karlovy University, Prague, Czechoslovekia: Influence of Irradiation by X-rays on the Electric Conductivity

of Cu

of Cuprous Oxido

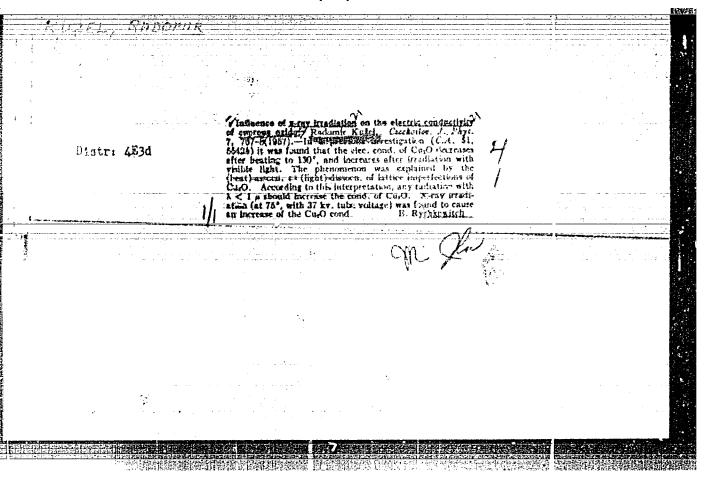
Orig Pub : Coskosl, casop, fys., 1957, 7, No 6, 745-746

Abstract: An invostigation was made of the temperature dependence of photoconductivity that occurs in Cu₂O under the influence of X-rays with a generation voltage of 37 km. Curves are given for the kinetics of the photocurrent at 75°C, and also for the dependence of the saturation current on the temperature for various intensities of excitation. The maximum of the photocurrent lies in a region of 700C and shifts contwhat movered higher temperatures as the X-ray intensity increases. All the indicated laws are observed in visible light, which, in the author's opinion, indicates that the mechanisms of photo-

conductivity in light and in X-rays are identical.

Card

: 1/1



CMECHOGLOVAKIA/Electronics - Scalconductor Devices and Photocells H-8

Abs Jour: Ref Zhur - Fizika, No 4, 1959, No 8755

Author : Kuzel Rudomir

I::::t

: Affect of Prior Illumination on the Characteristics of Title

Copper-Oxide Rectifiers

Or. ; Pub : Chekhosl. fiz. zh., 1950, 8, No 1, 81-59

Abstract : See Abstract 375

Card : 1/1

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000927930011-

5/194/62/000/005/066/157 D295/D308

24,2130

Kužel, Radomir AUTHOR:

The effect of preillumination on the electrical pro-TITLE:

perties of cuprous oxide and on the characteristics

of cuprous oxide rectifiers

PERIODICAL: Referativnyy zhurnal. Avtomatila i radioelektronika, no. 5, 1962, abstract 5-4-24 ya (Direct Current, v. 6, no. 6, 1961, 172-179, 181)

TEXT: Describes at length the method and results of a detailed investigation of the variations of the electrical properties of cuprous oxide and of the characteristics of cuprous oxide rectifiers caused by illumination and by the action of increased temperature (up to ~150°C). Samples prepared from Chilean copper according to a conventional technological procedure were investigated. The increase of the electric conductivity of cuprous oxide as a result of illumination was mainly due to the action of 0.9 u wavelength radiation penetrating deep into the samples. The verification of temperature variations of electric conductivity and Hall constant has confirmed Card 1/2

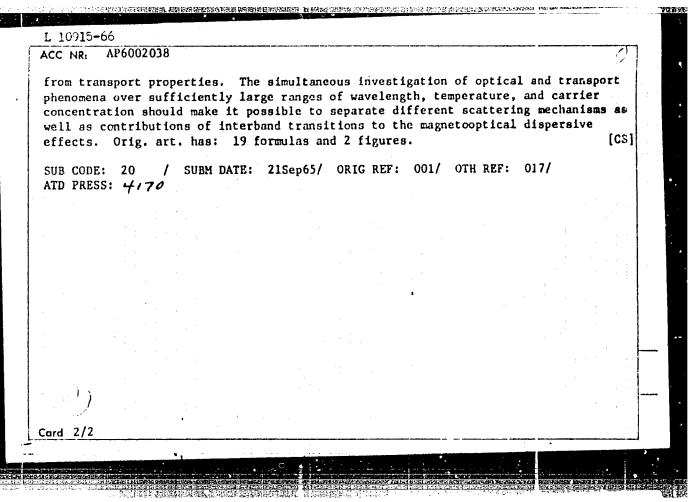
S/194/62/000/005/066/157 D295/D308

The effect of preillumination on ...

the hypothesis of the association of vacant Cu ion nodes, which are the main type of lattice defects, and which form adhesion levels in the temperature range investigated, similarly to the F-centers in alkaline metals. Measurements of the current-voltage characteristics and of the capacitance of cuprous oxide rectifiers, in which preatlumination had produced an increase of conductivity in both directions with simultaneous increase of the rectification coefficient by approximately 50 %, have shown that in contrast to cuprous oxide, the illumination of preheated samples will not lead, in the case the illumination of preheated samples will not lead, in the case given, to an increase in concentration of acceptor levels to the initial value, owing to diffusion of ions from matrix copper. 22 references (Charles University, Czechoslovakia). [Abstractor's note: Complete translation].

Card 2/2

EWP(e)/EWP(t)/EWP(b) IJP(c) JD/WH ACC NR. AP6002038 SOURCE CODE: GE/0030/65/012/002/0697/0705 12 AUTHOR: Prosser, V.; Kuzel, R. 445 ORG: Department of Solid State Physics, Charles Univer:ity TITLE: Determination of parameters of complex energy binds in semiconductors from studies of free carrier Faraday rotation, Voigt ef ect, and transport properties SOURCE: Physica status solidi, v. 12, no. 2, 1965, 697-705 TOPIC TAGS: semiconductor, Voigt effect, Faraday effect, energy band, band theory, Hall effect, remiconducting motorial, may netooptice, tran port preparty, assucceduction ABSTRACT: In view of the recently developed sensitive double-beam method which makes it possible to measure angles of rotation of the plane of polar:.zation of the order of 10^{-2} degrees with good accuracy, the authors suggest that experimental magnetooptical data be used with data on transport properties to determine fundamental parameters of semiconductors with complex bands. The authors then derive general formulas for the Faraday rotation and the Voigt effect for the case of one type of carriers and several types of carriers and discuss the relationship between these phenomena and the general transport properties. The general formulas are then applied to the case then the valence band consists of three nubbands. The theoretical data for diamond and germanium are compared with the experimental results. It is concluded that in the case of complex bands the Faraday rotation and the Voigt effect give valuable information in addition to the data obtained



"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927930011-9

JD IJP(c) L 22627-66 EWP(t) CZ/0055/65/015/010/0709/0717 SOURCE CODE: ACC NRI AP6003656 Kuzel, R. AUTHOR: ORG: Faculty of Mathematics and Physics, Charles University, Prague The influence of pre-illumination on the work function of cuprous oxide Chekhoslovatskiy fizicheskiy zhurnal, v. 15, no. 10, 1965, 709-717 SOURCE: TOPIC TAGS: cuprous oxide, work function, electric conductivity, capacitor, sectode 21,141,75 The author describes measurements of the effect of illumination and heat treatment on the electrical conductivity of cuprous oxide. The main objective of ABSTRACT: his experimental study was to confirm earlier findings, namely, that the large change of electrical conductivity of Cu20 caused by illumination is not connected with a permanent change of the electron work function and, consequently, the electric conductivity increase due to illumination is a pure bulk effect. These findings, now confirmed, represent a correction of a theory valid until 1956, attributing the change of conductivity to surface properties. The investigation, in which samples of cuprous oxide with either ground or etched surfaces were used, were conducted by the author at the Faculty of Physics in Leningrad. The contact potential difference was measured by means of the vibrating capacitor method, designed by two Soviet physicists O. M. Artamanov, and R. Ya. Berlaga, at the Leningrad's Faculty of Physics. In the process the cuprous oxide sample was employed as one electrode of the capacitor Card 1/2

while a gold-plated brass electrode was used as reference electrode. Simultaneously with the measuring of the contact potential the electrical resistance of the sample was examined by a d-c method. Graphs of the principal measured dependences are given. The author expresses his gratitude to R. Ya. Berlaga and O. M. Artumanov, Faculty of Physics of Leningrad, for making it possible to use their apparatus, and to E. Klier for valuable comments and discussions. Orig. art. has: 5 figures.								
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KUZEL, R.V. USSR/ Scientists - Mechanical engineering : Pub. 128 - 34/38 Card 1/1 Stechkin, B. S.; Varshavskiy, I. L.; Velikanov, D. P.; Gol'd, B. V.; Kuzel', R. V.; Petrov, V. A.; Fal'kevich, B. S.; and Khrvshelov, M. M. Authors Academician Evgeniy Alekseevich Chudakov, an outstanding scientist in Title the field of Soviet mechanical engineering Periodical: Vest. mash. 9, 100-102, Sep 1954 A short biography is presented of the life-time activities and achieve-Abstract ments of Evgeniy Alekseevich Chudakov in mechanical engineering. The article was presented on the occasion of the first anniverse; of his death. Institution: Submitted

KUZWLA, K.

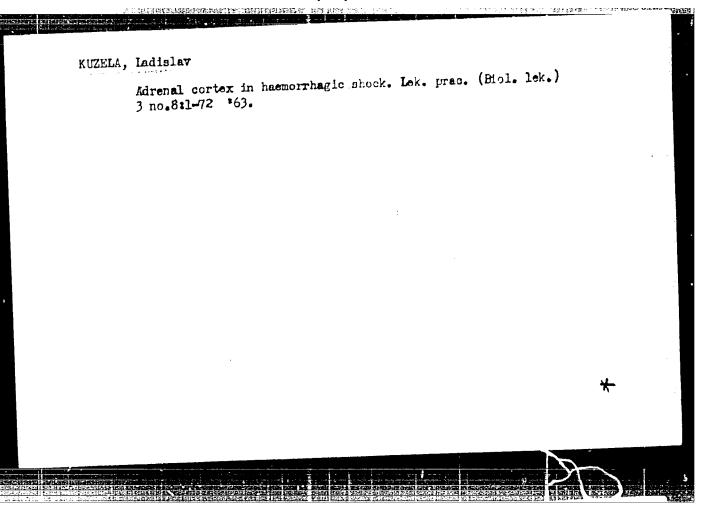
Mobile venilator in the sales departments of the "International Women's Day," 8th of March" National Enterprise. p. 83.

(Textil. Vol. 12, no. 3, Mar. 1957. Praha, Czecioslovakia)

SO: Mont ly List of East European Accessions (ETAL) LC, Vol. 6, no. 10, October 1957. Uncl.

"APPROVED FOR RELEASE: 03/13/2001

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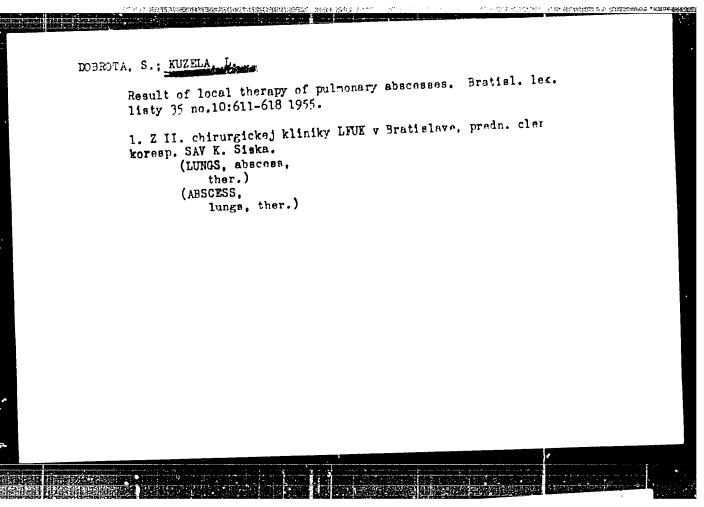
Streptokinase and streptodorhase; treatment of hematomas, espyemas and chronic suppurations. Bratisl. lek. listy 34 no.5:532-538 May 54.

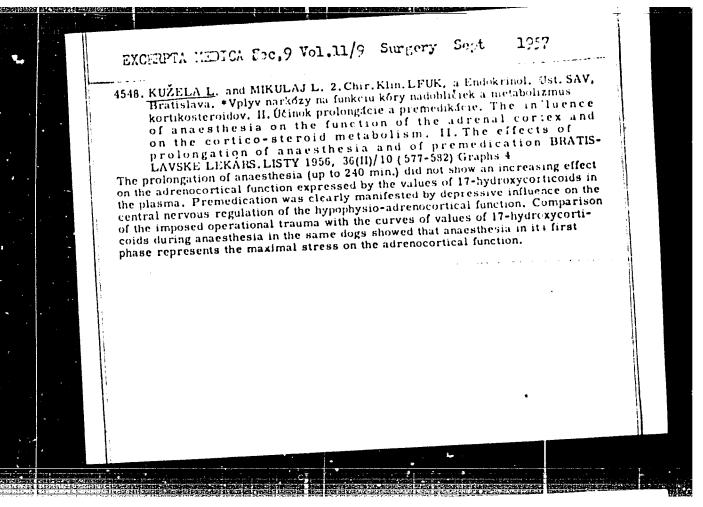
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(STREPTODORNASE AND STREPTOKINASE, therapeutic use, hematomas & suppurative dis.)

(HEMATCHA, therapy, streptodornase & streptokinase)

(ABSCESS, therapy, streptodornase & streptokinase in suppurative dis.)





CIA-RDP86-00513R000927930011-9 "APPROVED FOR RELEASE: 03/13/2001

KUZELA, L.; KRAJCOVIC, L.; SCHRAMM, A. Duplication of the large intestine. Bratisl. Lex Listy 42 no.6: 353-358 162. 1. Z II chirurgickej kliniky Lek. fak. Univ. Komenskeho v Bratislave,

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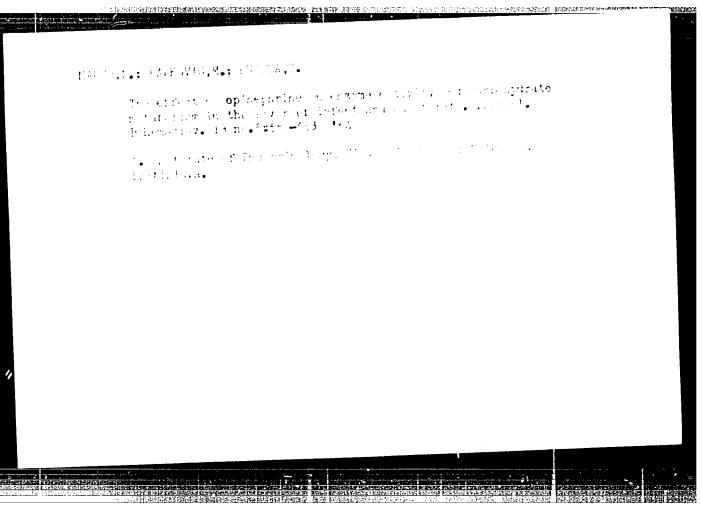
prednosta akademik SAV K. Siska. (UTERUS) (COLONIC DISEASES)

SISKA, K.; KUZELA, L.; MIKULAJ, L.

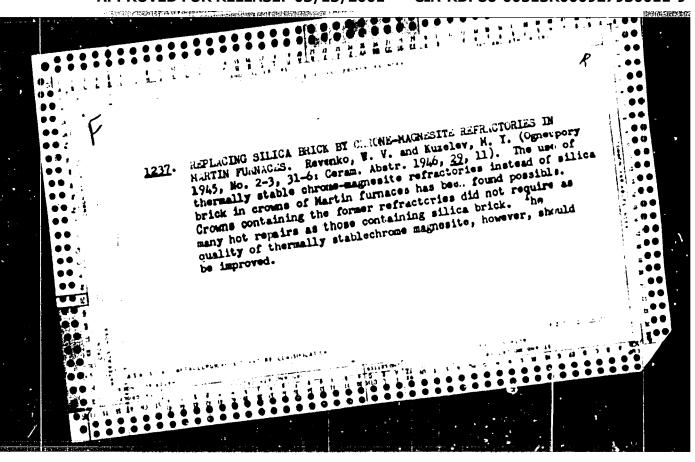
Adrenal cortex activity during extracorporeal blood circulation. Bratisl. lek. listy 63 no.3:143-148 '63.

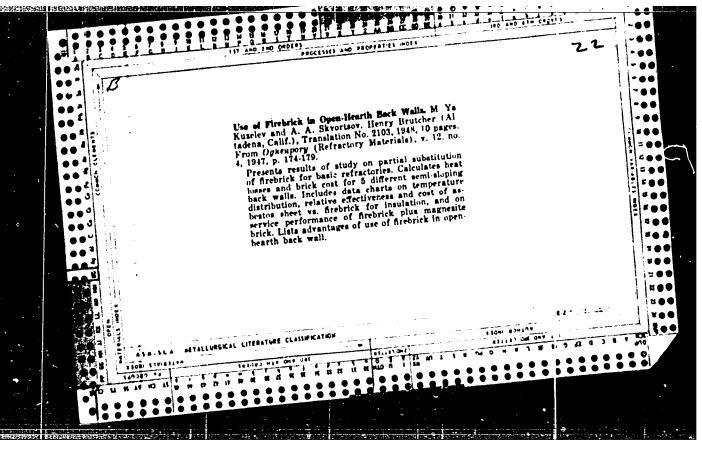
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	USER/Engineering
	Furnaces Having Revolving Walls,
	"Results of Tests on Furnaces Having Revolving Walls," A. A. Skvortsov, Cand Tech Sci, M. Ya. Kuzelev, Engr,
	2½ pp
	"Vest Mashinostroy" No 11
	West Mashinostroy
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KUEKLEV, M.Ya.; SKVORTSOV, A.A.; SMELYAKOV, M.N. [authors]; OKUN', M.A. [re-viewer];

Response to M. I.A. Kuzelev's, A.A. Skvortsov's, and M.N. Smeliakov's book
"Toundry master's manual." Reviewed by M.A. Okun'. Kryl. rod. 4 no.8:

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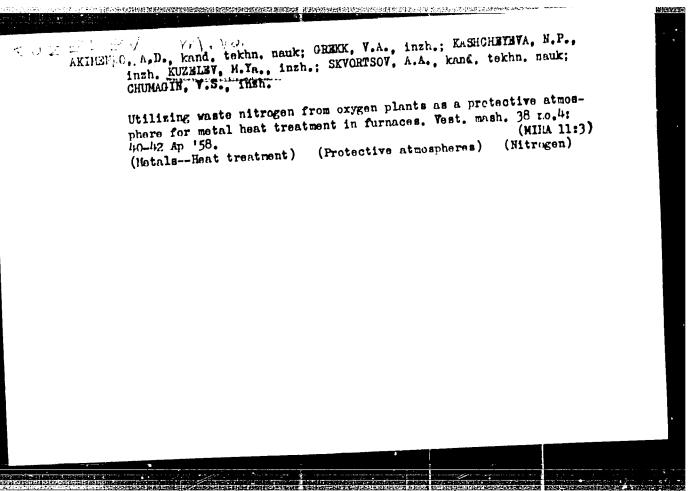
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HIVELEY Mikhail Yakovlevich; SKVOHTSOV, Aleksey Anatol yevich; SMELYAKOV, Elkolay Mikhail Yakovlevich; ZOBHIW, B.F., kandidat tekhnicheskikh muk, retsensent; BCRWTSKIY, A.A., dotsent, otvetstvennyy redaktor; VOLPYANSKIY, L.M., inshener; redaktor; GIMMEL!MAN, M.R., inshener, redaktor; DEMAKOV, A.F., inshener, redaktor; KOKOVIEA, A.S., inshener, redaktor; EVENEY, K.M., inshener, redaktor; RAZUMOVA, M.S., inshener, redaktor; RAZUMOVA, M.S., inshener, redaktor; SIDONENKO, R.A., inshener, redaktor; ROZENBERG, I.A., kandindaktor; SIDONENKO, R.A., inshener, redaktor; ROZENBERG, I.A., kandindaktor; Cokonicheskikh neuk, redaktor; DUGINA, S.A., tekhnicheskiy redaktor

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PHASE I BOOK EXPLOITATION

sov/4365

Kuzelev, Mikhail Yakovlevich, and Aleksey Anatol'yevich Skvortsov

Nagrev metalla pod kovku i shtampovku v plamennykh rechakh (Preheating of Metal for Forging and Stamping in Direct-Flame Furnaces) Lenirgrad, Sudpromgiz, 1960. 262 p. 5,700 copies printed.

Scientific Ed.: G. V. Malakhovskiy; Editor: Z. V. Ozerova; Tech. Ed.: R. K. Tsal.

PURPOSE: This book is intended for technical personnel and foremen in the forge and press-forging shops. It may also be useful to workers in design and scientific-research institutions, and to students specializing in metalworking in schools of higher education and tekhnikums.

COVERAGE: The book discusses the theory and practice of heating metal in direct-flame furnaces for forging and stamping. Selection criteria temperature ranges in pressworking of metals, and methods for calculation of the heating of steel and nonferrous metal alloys, ingots, and blanks are presented. Regimes and methods of cooling forgings

-Card 1/6-

reheating of Metal (Cont.)	sov/4865
and stampings and measures for prevents of metal during heating are described. There are 53 references, all Soviet (in German).	NO DEPRODELLES RIE MENGIOLOGICA.
ABLE OF CONTENTS:	
Introduction	3
Ch. I. Physical and Mechanical Propertie Alloys at Various Temperatures 1. Basic considerations 2. Coefficient of heat conductivity 3. Enthalphy and heat capacity 4. Volumetric (unit) weight 5. Coefficient of the temperature con	5 6 13 20
Card 2/6-	

S/182/60/000/011/012/016 A161/A029

AUTHORS.

Akimenko, A.D., Kuzelev, M.Ya., Skvortsov, A.A.

TITLE-

Experimental Investigation Into Heating of Steel Blanks for

Forging and Stamping in Molten Salta

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, 1960, No.11, pp.40-42

TEXT: Information is given on experiments at the "Krasnoye Sormovo" works with forging blank heating in molten salt bath heated to 1,300°C. Two salt mixtures were used, a) 30% BaCl₂ and 70% NaCl and b) 70% BaCl₂ and 30% NaCl. Cylindrical specimens 10, 20 and 30 mm in diameter were heated to 1,200-1,250°C. The results confirmed the data obtained by LPI and MZL (Ref. 1). The heating time is 2-3 times shorter than in a chamber furnace; heat losses from the bath surface can be reduced to minimum by using bath covers and covering the bath surface with a layer of graphite powder. The heating costs are approximately the same as in furnaces but the salt bath has technological advantages. The power characteristic of the CD-2 (SP-2) electrode bath is given (Fig. 1); its efficiency at the rated work capacity of 30 kg/hour is only 20-25% and decreases abruptly with Card 1/9

FOR DOMESTIC DEPOSITION

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Experimental Investigation Into Heating of Steel Blanks for Forging and Stamping in Molten Salt

reduced load. Special baths with higher efficiency (35-40%) are possible in principle. The heat release coefficient from the liquid salt to the metal was determined in the following manner. Using the temperature diagram (Fig 2) in the specimen center,

 $\theta = \frac{(t_{med} - t_{cent})_1}{}$ (1)

 $(t_{med} - t_{cent})$ where $(t_{med} - t_{cent})$ is the real (varying) difference of the medium and the specimen center temperature, and $(t_{med} - t_{cent})_{init}$ the initial difference. [Abstractor's note subscripts med (medium), cent (center), init (initial) are translations from the Russian cp (sreda), 4 (tsentr), (nachalinyy)]. Knowing the θ values and the Fourier criterion (Fo), the known D.V. Buarin diagrams may be used for finding the Bio (bi) criteria, but in view of low Bi

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Experimental Investigation Into Heating of Steel Blanks for Forging and Stamping in Molten Salt

values in the experiments (10 and 20 mm blank diameter), a formula from Ref. 2 was used for the calculation:

 $\theta = e^{-2FoBi} \tag{2}$

Using the obtained Bi value, the mean heat release coefficient α_{hi} is found in the interval from the initial to the final temperature of the center (or the surface)

$$\alpha_{\rm m} = \frac{1}{\tau_2 - \tau_1} \int_{\rm true}^{\tau_1} d\tau$$
 (3)

where $(\mathcal{T}_2 - \mathcal{T}_1)$ is the heating efficients [Abstractor's note: Subscripts fin (final) and true (true) are translations from the Russian $\kappa_{\mathcal{T}_n}$ (konechnyy) and $\kappa_{\mathcal{T}_n}$ (istinnyy)]. The mean values of the physical material constants in the given temperature interval must be substituted for calculation of Card 3/9

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Experimental Investigation Into Heating of Steel Blanks for Forging and Stamping in Molten Salt

the Bi and Fo criteria. The determined mean heat release coefficient values are shown (Fig. 3) in the form of the relation $\mathcal{L}_{m} = f(t_{mean})$.

[Abstractor's note: Subscript is a translation from the Russian coefficient with the first production of the diagram includes data obtained by V.F. Kopytov (Ref. 1997).

(sredniy)]. (The diagram includes data obtained by V.F. Kopytov (Ref. 3) and D.V. Vishnyakov (Ref. 4): Vishnyakov obtained a higher heat release coefficient using pure BaCl₂.) The heating time for blanks can be calculated knowing the heat release coefficient. The calculated time (Υ) for cylindrical blanks from 40× (40Kh) steel at $\kappa_{\rm m}$ =500 kcal/m²·hr·degree is given (Table 2).

Heating	Time in	seconds for	blanks diameters
temperature oç	30 mm	20 mm	10 mm
1,200	160	110	56
1,100	90	60	5 0
1,000	70	47	2

Card 4/9

S/182/6 /000/011/012/016 A161/A0 9

Experimental Investigation Into Heating of Steel Blucks for Forging and Stamping in Molten Salt

The theoretical calculation with convective heat exchange formulae in liquid media gives exaggerated figures, which can be explained by the thermal resistance of the solidified salt layer. The following conclusions are drawn: 1) the method is applicable to practice and has technological advantages; 2) the mean heat release coefficient from the bath to the metal in NaCl+BaCl2 at a bath temperature of 1,200-1,350°C is = 500 kcal/m² • hour • degree; 3) the obtained data make possible the culculation of heating process variables. Engineers N.P. Kashcheyeva, V.M. Kop'yev and G.N. Khoperskaya took part in the experiments. There are 4 figures and 3 Soviet references.

Card 5/9

S/182/60/000/011/012/016 A161/A029

Experimental Investigation Into Heating of Steel Blanks for Forging and Stamping in Molten Salt



Fig. 1 - The characteristic of SP-2 bath at 1,250°C bath temperature:

n_{id} in h_n/hr - specific consumption of electric power (including heating up in one-shift day work); g - hourly productivity in kg/hour

Card 6/9

S/182/60/000/011/012/016 A161/A029

Experimental Investigation Into Heating of Steel Blanks for Forging and Stamping in Molten Salt

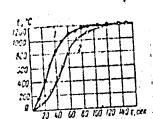


Fig. 2 - Temperature curves example: 1 - blank 20 mm in diemeter;

2 - blank 30 mm in diameter

Card. 7/9

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Experimental Investigation Into Heating of Steel Blanks for Forging and Stamping in Molten Salt

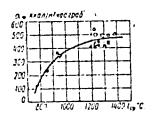
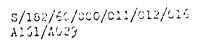


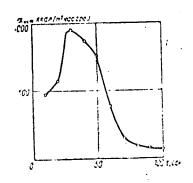
Fig. 3 - The mean heat release coefficient from molten salt bith to metal at different bath temperatures: mixture 70% NaCl and 30% BaCl2; o - specimen 30 mm diam.; A - 20 mm; m - 10 mm. Corresponding a to signs for mixture of 30% NaCl and 70% BaCl2 (x - data of V.F. Kopytov; - data of D.Ya. Vishnyakov (NaCl).)

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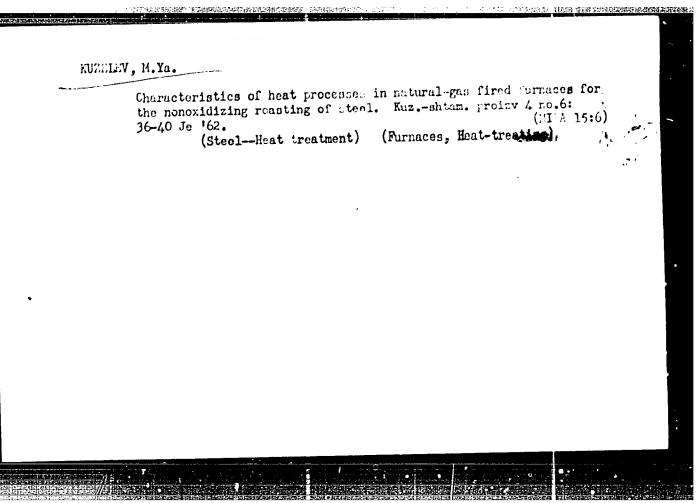


Experimental Investigation Into Heating of Steel Blanks for Forging and Stamping in Molten Salt

Fig. 4



Card 9/9



AKIMEDIO, A.D.; KUZELEV, M.Ya.; SKVO TSOV, A.A.; KHOLSHCHEVUTECV, A.Ya.

Heating blanks for forging and die stamping in a nonoxidizing heating compartment furnace. Kuz.-shtam. prolev 4 no.6:40-47 Jo 162.

(Furnaces, Heating)

Manufacturing tools in school workshops. Politekh.obuch. no.12: 58-61 D 58. (MIRA 11:12)

1. Srednyaya shkola No.475 Hoskvy.
(Machine-shop practice--Study and teaching)

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